

Minimal media for selective purposes

Introduction

Get started by giving your protocol a name and editing this introduction.

Materials

- › amino acids
- › yeast nitrogen base without amino acids
- › glucose
- › agar
- › water

Procedure

Minimal media

1. Prepare following solution

Table1			
	A	B	C
1	yeast nitrogen base w/o amino acids	0,67%	6,7g
2	glucose	2%	20,0g
3	(agar)	2%	20,0g
4	adjust to 1000ml with ddH2O		

2. Prepare drop-out mix (masses are in grams)

Table2		
	A	B
1	adenine	0,125
2	alanine	0,5
3	arginine	0,5
4	asparagine	0,5
5	aspartic acid	0,5
6	cysteine	0,5
7	glutamine	0,5
8	glutamic acid	0,5
9	glycine	0,5
10	histidine	0,5
11	inositol	0,5
12	isoleucine	0,5
13	leucine	1,0
14	lysine	0,5
15	methionine	0,5
16	para-aminobenzoic acid	0,05
17	phenylalanine	0,5
18	proline	0,5
19	serine	0,5
20	threonine	0,5
21	tryptophane	0,5
22	tyrosine	0,5
23	uracil	0,5
24	valine	0,5

3. Use mortar and pestle to mix. Keep as powder! Use 2g of mixture for 1 liter of medium.
4. DO NOT ADD THE AMINO ACID FOR WHICH YOU HAVE AUXOTROPHY!!!!
5. Adjust pH to 5,8 with 0,6M NaOH
6. Autoclave!